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Submitted for form 1449/PTO		<div style="text-align: center;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT </div>		<div style="text-align: center;"> Complete if Known </div>	
		<div style="text-align: center;"> JAN 03 2002 </div>		Application Number	09/880,710
				Filing Date	June 13, 2001
				First Named Inventor	Manolagas <i>et al.</i>
				Group Art Unit	1646
				Attorney Docket Number	ANA 1007 (06572.105018)
Sheet	1	of	12		

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U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
N (7)	AA	4,522,811		Eppstein <i>et al.</i>	06/11/1985
	AB	5,071,773		Evans <i>et al.</i>	12/10/1991
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	AJ	5,643,720		Pfahl <i>et al.</i>	07/01/1997
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	AL	5,834,213		O'Malley <i>et al.</i>	11/10/1998
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	AT	6,060,238		Dixit	05/09/2000

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	BA	WO	98/22113	A1	28/05/1998	PCT		
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	BH	WO	00/37681	A1	20/06/2000	PCT		

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Sheet	3	of	12

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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NM	CA	ARONICA, S.M., <i>et al.</i> , "Estrogen Action Via The cAMP Signaling Pathway: Stimulation of Adenylate Cyclase and cAMP-regulated Gene Transcription," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , (1994), Vol. 91, pp. 8517-8521.	
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Submitted for form 1449/PTO		JAN 03 2002		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/880,710		
		Filing Date	June 13, 2001		
		First Named Inventor	Manolagas <i>et al.</i>		
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		Attorney Docket Number	ANA 1007 (06572.105018)		
Sheet	4	of	12		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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MR	DA	CARANI, C., <i>et al.</i> , "Effect of Testosterone and Estradiol in a Man with Aromatase Deficiency," <i>N. Engl. J. Med.</i> , (1997), Vol. 337, pp. 91-95.	
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ME	EA	ERIKSEN, E.F., <i>et al.</i> , "Evidence of Estrogen Receptors in Normal Human Osteoblast-Like Cells," <i>Science</i> , (1988), Vol. 241, pp. 84-86.	
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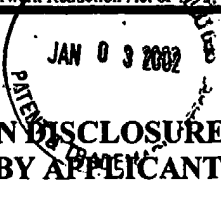
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<div style="font-size: 2em;">N/R</div>	FA	JILKA, R.L., <i>et al.</i> , "Increased Bone Formation by Prevention of Osteoblast Apoptosis with Parathyroid Hormone," <i>J. Clin. Invest.</i> , (1999), Vol. 104, pp. 439-446.			
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	FJ	KÜHN, <i>et al.</i> , "Inducible Gene Targeting in Mice," <i>Science</i> , (1995), Vol. 269, pp. 1427-1429.			
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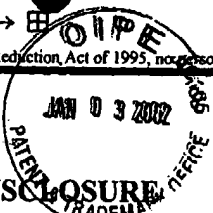
Examiner Signature	<div style="font-size: 2em;">N/R</div>	Date Considered	<div style="font-size: 1.5em;">5/2/04</div>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/880,710
		Filing Date	June 13, 2001
		First Named Inventor	Manolagas <i>et al.</i>
		Group Art Unit	
		Attorney Docket Number	ANA 1007 (06572.105018)
Sheet	7	of	12

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M	GA	LEA, C.K. and A.M. FLANAGAN, "Ovarian androgens protect against bone loss in rats made oestrogen deficient by treatment with ICI 182,780," <i>J. Endocrinol.</i> , (1999), Vol. 160, 111-117.	
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Submitted for form 1449/PTO		Complete if Known Application Number 09/880,710 Filing Date June 13, 2001 First Named Inventor Manolagas et al. Group Art Unit Attorney Docket Number ANA 1007 (06572.105018)	
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W	HA	MONAGHAN, B.A., et al., "BASIC SCIENCE AND PATHOLOGY - Estrogen Receptors in Fracture Healing," <u>Clin. Orthop.</u> , (1992), pp. 277-280.	
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Examiner Signature	<i>N/R</i>	Date Considered	<i>5/2/02</i>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/880,710
		Filing Date	June 13, 2001
		First Named Inventor	Manolagas <i>et al.</i>
		Group Art Unit	
		Attorney Docket Number	ANA 1007 (06572.105018)
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M	IA	ORBAN, P.C., <i>et al.</i> , "Tissue- and site-specific DNA recombination in transgenic Mice," <u>Proc. Natl. Acad. Sci. U.S.A.</u> , (1992), Vol. 89, pp. 6861-6865.	
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	IC	OZ, O.K. <i>et al.</i> , "Bone Has a Sexually Dimorphic Response to Aromatase Deficiency," <u>J. Bone Miner. Res.</u> , (2000), Vol. 15, pp. 507-514.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number		09/880,710	
		Filing Date		June 13, 2001	
		First Named Inventor		Manolagas <i>et al.</i>	
		Group Art Unit			
		Attorney Docket Number		ANA 1007 (06572.105018)	
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M	JA	ROBERTSON, <i>et al.</i> , "Germ-line transmission of genes introduced into cultured pluripotent cells by retroviral vector," <i>Nature</i> , (1986), Vol. 323, pp. 445-448.	
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		Filing Date		June 13, 2001	
		First Named Inventor		Manolagas <i>et al.</i>	
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NH	KA	UESUGI Y. <i>et al.</i> , "Effects of Sex Steroids on the Development of Sexual Dimorphism in Mouse Innominate Bone," <i>Anat. Rec.</i> , (1992), Vol. 234, pp. 541-548.	
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	KC	VANDERSCHUEREN, D., <i>et al.</i> , "Bone and Mineral Metabolism in Aged Male Rats: Short and Long Term Effects of Androgen Deficiency," <i>Endocrinology</i> , (1992), Vol. 130, pp. 2906-2916.	
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NH	KM	WRENN, C.K. and KATZENELLENBOGEN, B.S., "Structure-Function analysis of the Hormone Binding Domain of the Human Estrogen receptor by Region-specific Mutagenesis and Phenotypic Screening in Yeast*," <i>J. Biol. Chem.</i> , (1993), Vol 268, pp. 24089-24098.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/880,710			
		Filing Date	June 13, 2001			
		First Named Inventor	Manolagas <i>et al.</i>			
		Group Art Unit				
		Attorney Docket Number	ANA 1007 (06572.105018)			
Sheet	12	of	12			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
NLS	LA	YEH, S. <i>et al.</i> , "From Estrogen to Androgen Receptor: A New Pathway for Sex Hormones in Prostate," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , (1998), Vol. 95, pp. 5527-5532.	
	LB	YOUNG, C.Y. <i>et al.</i> , "The Androgen Receptor of the Testicular-Feminized (Tfm) Mutant Mouse Is Smaller than the Wild-Type Receptor*," <i>Endocrinology</i> , (1989), Vol. 124, pp. 771-775.	
	LC	ZHANG, Z., <i>et al.</i> , "Activation of the p38 Mitogen-activated protein Kinase Pathway by Estrogen or by 4-Hydroxytamoxifen is Coupled to Estrogen Receptor-induced apoptosis*," <i>J. Biol. Chem.</i> , (2000), Vol. 275, pp. 479-486.	
	LD	ZOU, Y.R., <i>et al.</i> , "Cre-loxP-mediated gene replacement: a mouse strain producing humanized antibodies," <i>Curr. Biol.</i> , (1994), Vol. 4, pp. 1099-1103.	
	LE	KOUSTENI, <i>et al.</i> , "Nongenotropic, Sex-Nonspecific Signaling through the Estrogen or Androgen Receptors: Dissociation from Transcriptional Activity", <i>Cell</i> (March 9, 2001) Vol. 104, pp. 719-730.	

Examiner Signature	NLS	Date Considered	5/2/02
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